Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/26/2019 12:01 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125735	0	1.84	125846	1.77
Blue	F	SSC	125000	123533	-2	3.47	124491	3.47
Blue	E	FITC	16694	16430	-2	3.57	382	22.41
Blue	D	PE	32792	32158	-2	2.77	710	16.71
Blue	B	PerCP-Cy5-5	44451	44672	0	4.59	1221	23.39
Blue	A	PE-Cy7	33645	33752	0	7.20	609	50.14
Red	C	APC	47008	46840	-1	3.02	1804	13.89
Red	A	APC-Cy7	32298	31838	-2	2.92	796	14.49
Violet	B	V450	8961	8686	-4	4.45	493	16.33
Violet	A	V500	32726	31835	-3	4.15	771	11.73

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20909	4.56	610	-3	N/A	N/A	Pass
Blue	F	SSC	55951	2.97	582	14	N/A	N/A	Pass
Blue	E	FITC	63	75.85	568	5	0.0151	189	Pass
Blue	D	PE	142	58.69	572	6	0.1247	294	Pass
Blue	B	PerCP-Cy5-5	225	57.55	678	7	0.0071	67	Pass
Blue	A	PE-Cy7	117	123.86	733	7	0.0081	19	Pass
Red	C	APC	413	30.09	617	4	0.0178	157	Pass
Red	A	APC-Cy7	197	32.95	588	3	0.0044	1189	Pass
Violet	B	V450	82	70.12	482	-4	0.0300	2094	Pass
Violet	A	V500	112	42.57	492	-4	0.0185	1485	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.93	-32.27	1.11
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.48
Red	15.82	13.60 - 20.40	N/A	N/A	28.97	29.81	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9512

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments